



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,595	07/23/2004	Hsin-Jung Chuang	LITP0039USA	4594
27765	7590	07/20/2007	EXAMINER	
NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION			ALAVI, AMIR	
P.O. BOX 506			ART UNIT	
MERRIFIELD, VA 22116			2624	
			NOTIFICATION DATE	DELIVERY MODE
			07/20/2007	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com  
Patent.admin.uspto.Rcv@naipo.com  
mis.ap.uspto@naipo.com.tw

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/710,595		CHUANG ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Amir Alavi		2624	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 July 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-18 is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☒ Claim(s) 7-10 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### **Claim Rejections - 35 USC § 102**

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

- Claims 1-3, and 5-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Hirai (USPN 6,943,834 B1).

Regarding claim 1, Hirai discloses: a central processing unit (CPU) which receives a compressed file, a compressed file decoder which receives the compressed file outputted from the CPU, generates a decoded image data (Please note, figure 2, in correlation to column 10, lines 8-11. As indicated the memory controller 200 and the decoder 203 receive control commands from MPU 216 by command reception buffers, and execute the commands in synchronization with timing of a frame of an image) and encodes the decoded image data to generate a digital video signal, a frame buffer connected to the compressed file decoder for storing the decoded image data (Please note, figure 2, element 219); and an analog video encoder which receives the digital video signal and converts the digital video signal into a TV signal (Please note, figure 2, element 212, in correlation to column 9, lines 58-65).

Regarding claim 2, Hirai discloses, wherein the compressed file decoder provides an operation mode through which the decoded image data is transmitted back to the CPU (Please note, column 10, lines 1-11).

Regarding claim 3, Hirai discloses, wherein the compressed file decoder provides an operation mode through which the CPU accesses the frame buffer (Please note, column 10, lines 1-11).

Regarding claim 5, Hirai discloses, wherein the TV signal conforms to the NTSC standard (Please note, column 15, lines 56-58. As indicated the video encoder 2107 outputs video signals having a format of NTSC composite signals).

Regarding claim 6, Hirai discloses, wherein the TV signal conforms to the PAL standard (Please note, column 1, line 56).

### **Claim Rejections - 35 USC § 103**

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hirai (USPN 6,943,834 B1) in view of Sugahara et al. (USPAN 2003/0174771 A1).

Regarding claim 4, Hirai discloses: a central processing unit (CPU) which receives a compressed file, a compressed file decoder which receives the compressed file outputted from the CPU, generates a decoded image data (Please note, figure 2, in correlation to column 10, lines 8-11. As indicated the memory controller 200 and the decoder 203 receive control commands from MPU 216 by command reception buffers, and execute the commands in synchronization with timing of a frame of an image) and encodes the decoded image data to generate a digital video signal, a frame buffer connected to the compressed file decoder for storing the decoded image data (Please

note, figure 2, element 219); and an analog video encoder which receives the digital video signal and converts the digital video signal into a TV signal (Please note, figure 2, element 212, in correlation to column 9, lines 58-65).

Hirai does not disclose expressly, wherein the compressed file is a JPEG file.

Sugahara et al. disclose, wherein the compressed file is a JPEG file (please note, page 1, paragraph 0006).

Hirai & Sugahara et al. are combinable because they are from the same field of endeavor.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to utilize this JPEG compression algorithm of Sugahara et al. in Hirai.'s invention.

The suggestion/motivation for doing so would have been as Sugahara discloses on page 1, paragraph 0006 in which JPEG that is intended for encoding still pictures.

Therefore, it would have been obvious to combine Hirai with Sugahara et al. to obtain the invention as specified in claim 4.

### **Allowable Subject Matter**

- Claims 11-18 are allowed.
- Claims 7-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amir Alavi whose telephone number is 571-272-7386. The examiner can normally be reached on Mon-Thu.. 8:00 am thru 6:30pm.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on 571-272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Art Unit: 2624

- Should you have questions on access to the Private PAIR system,  
contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).  
If you would like assistance from a USPTO Customer Service  
Representative or access to the automated information system, call 800-  
786-9199 (IN USA OR CANADA) or 571-272-1000.

AA  
Technology Division 2624  
10 July 2007

AMIR ALAVI  
PRIMARY PATENT EXAMINER  
*AA*